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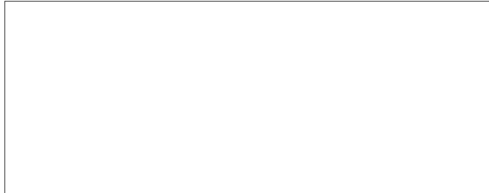
LASER DISPLAY FEASIBILITY STUDY

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Subject: Laser Display Feasibility Study Monthly Status Report No. 4,  
[redacted] Task Order No. 04

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TECHNICAL PROGRAM STATUS

The review of modulation-techniques papers and documents resulting from the literature search is still in progress. Each paper is being scrutinized for pertinent information, and notes are being maintained. The data thus accumulated will later be integrated into a matrix format for subsequent study and comparison of the techniques.

The analyses of the two modulation techniques which appear to be the most applicable from the practical standpoint is essentially complete. The final write-up of the analyses will be postponed, however, until the matrix discussed above is complete; this will permit any new information disclosed in the literature to be considered in the write-ups. The write-ups will be kept in the project technical file for reference during the later system analysis and the preparation of the final report.

The study of display screens was started during this reporting period. Data is being maintained in a system of key-sort cards to facilitate access to the data as needed during the system design study to occur later in the program.

The research laboratory [redacted] one of the leading commercial laser manufacturers, was visited this month. Two new continuous-wave ion lasers are under development there and are expected to be commercially available in the near future. These are of extremely high interest relative to the subject study program, primarily because of the various colors of light generated. These open up the long awaited possibility of color displays, as well as black-and-white displays (in the past, only black-and-red displays were possible with the laser).

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A study of the state of the art in photo-interpretation (PI) aids was started this month. This will provide project personnel with the background necessary for making judgements relative to the problem areas in existing equipment most worthy and needful of the advantages offered by laser techniques.



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ADMINISTRATIVE STATUS

The program is progressing on schedule: no slippage is anticipated at this point in time. The percentage of the total estimated engineering dollars for the Contract Task Order expended as of 10 October is 19 percent.